

Wednesday, October 21, 2015 8:49:02 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO30089 Receipt Dates from 10/21/2015 to 10/21/2015 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

[illegible]

782

5321

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 959546
Ship Date 19Oct15 at 16:17 From PFW
Probill
Via VIM DELIVERY
FOB HAWKESBURY
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-856882- 1 Your PO # 30089
Part # USA STOCK 6-10 DAYS ARO Rel # CHANTAL
ALUMINUM PLATE 7075-T651
.375" THICK X 5.0000" X 144.5000"

Heat Number 131904B5 Tag No 465237

Quantity 5.02 SFT PCS 1 Wt LBS 28

MTR

2) Our Order PEC-856882- 2 Your PO # 30089
Part # USA STOCK 6-10 DAYS Rel # CHANTAL
ALUMINUM PLATE 7075-T651 USI TESTED
.250" THICK X 6.0000" X 48.5000"

Heat Number 135157B6 Tag No 465160

Quantity 12.13 SFT PCS 1 Wt LBS 44

MTR

3) Our Order PEC-856882- 3 Your PO # 30089
Part # ALUMINUM PLATE 7075-T651 USI TESTED Rel # CHANTAL
4.00" THICK X 3.0000" X 72.0000"
** GRAIN DIRECTION ALONG THE 3.00 INCH DIM

Heat Number M261491 Tag No 465162

Quantity 1.50 SFT PCS 1 Wt LBS 92

MTR

4) Our Order PEC-856882- 4 Your PO # 30089
Part # STAINLESS STEEL PLATE 17-4 STAINLESS Rel # CHANTAL
.250" THICK X 4.0000" X 120.0000"

Heat Number 447583 Tag No 465163

Quantity 3.33 SFT PCS 1 Wt LBS 37

MTR

Page: 1Continued

1 - BDL 603
1 - SHID REC
1 - BDL - 605

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 959546
Ship Date 19Oct15 at 16:17 From PFW
Probill
Via VIM DELIVERY
FOB HAWKESBURY
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

TOTAL: Tags 4 PCS 9 LBS 201

Heat Number 135157B6
M261491 *** Chemical Analysis ***

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 3 BDLS GW. 251 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***
**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR
INVENTORY, SEPT. 24 & 25/2015. THERE WILL BE NO
CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES
OFFICE WILL REMAIN OPEN.

Page: 2 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
Q/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE



Flat Rolled Products

500 Green Street
Washington, PA 15301

Certificate of Test

Stephen Wolff
Stephen Wolff - Director, Corporate Quality Assurance

Mill Information

Cert Number 0143479-00
Sales Order 50-045-150
Cert Date Jul-02-2015

Customer Information

Name COPPER & BRASS SALES
PO 5400259953
PO Date Apr-10-2015

Sold COPPER & BRASS SALES
to: DIV THYSSENKRUPP MTRLS NA INC
PO BOX 5116
SOUTHFIELD, MI 48086

Ship COPPER & BRASS ELKHART
to: 1015 SAINT JEROME ST
MISHAWAKA, IN 46544

Material Information

"ATI 17-4" PRECIPITATION HARDENABLE STAINLESS STEEL
PMP HOT ROLLED PLATE ANNEALED PICKLED COMMERCIAL CUT EDGE

ASTM-A-693-13 CND A/H900
AMS 5604G CND A/H900


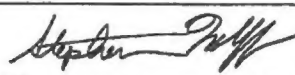
ASME-SA-693-13 CND A/H900
UNS S17400

Piece Information

	Gauge	Width	Length					Total Wt
Pcs	(in)	(in)	(in)	Heat #	Piece ID	Section Id	Lot #	(lbs)
Item: 001	Cust-Id: SSFLR00532			Govt-Contract-#:		Govt-DO-Rating:		
	Cust-Job:			ScheduleB:				
1	.2500	48.0000	120.0000	844898	CD10143-0001	---	447583	446
1	.2500	48.0000	120.0000	844898	CD10143-0002	---	447583	446

Chemistry Testing

Element (wt %)	Requirements		Final Heat Analysis	
	Min	Max	844898	Loc
C	---	.07	.04	BN
MN	---	1.00	.55	BN
P	---	.040	.028	BN
S	---	.030	< .001	BN
SI	---	1.00	.20	BN
CR	15.00	17.50	15.43	BN
NI	3.00	5.00	4.74	BN
MO	---	.50	.20	BN
CU	3.00	5.00	3.26	BN
CB	.15	.45	.25	BN
TA	---	---	.010	TC
CBT	.15	.45	.26	--
CBC	5.00	---	5.56	--

 ATI Flat Rolled Products 500 Green Street Washington, PA 15301	Certificate of Test		 <small>Stephen Wolff - Director, Corporate Quality Assurance</small>
	Mill Information Cert Number: 0143479-00 Sales Order: 50-045-150 Cert Date: Jul-02-2015	Customer Information Name: COPPER & BRASS SALES PO: 5400259953 PO Date: Apr-10-2015	

Chemistry Testing

ATI Flat Rolled Products performs chemical analysis by following techniques for testing locations TC, BN, MI, & LO:
C, S by combustion/infrared; N, O, H by inert fusion/thermal conductivity;
Mn, P, Si, Cr, Ni, Mo, Cu, Cb, Co, V, by WDXRF; Pb, Bi, Ag by GFAA;
B by OES; Al and Ti ($\geq 0.10\%$) by WDXRF, otherwise by OES.

844898 - Material was produced by EF melting with AOD refining.

CBC = Cb / C

CBT = Cb + Ta

Mechanical Testing

		LOT 447583		LOT 447583	
Condition:		ANNEALED		H900	
Direction:		TRANSVERSE		TRANSVERSE	
Temperature:		ROOM TEMP		ROOM TEMP	
Spec:					
Test Limit	Units	Result	Loc	Result	Loc
HARDNESS	---	345. HBW	TC	44. HRC	TC
YIELD 0.2%	psi	---	--	187000.	TC
TENSILE	psi	---	--	197000.	TC
ELONGATION	%	---	--	12.	TC
RED OF AREA	%	---	--	55.	TC

When hardness is measured using the Brinell scale, the indentation measuring device is Type A.

"H", "TH", "RH", and other heat treated values are capability test results.

Mechanical Property Requirements

Condition:		ANNEALED		H900	
Direction:		TRANSVERSE		TRANSVERSE	
Temperature:		ROOM TEMP		ROOM TEMP	
Spec:					
Test Limit	Units	Min	Max	Min	Max
YIELD 0.2%	psi	---	---	170000.	---
TENSILE	psi	---	---	190000.	---



ATI
Flat Rolled Products

500 Green Street
Washington, PA 15301

Certificate of Test

Stephen Wolff

Stephen Wolff - Director, Corporate Quality Assurance

Mill Information

Cert Number 0143479-00
Sales Order 50-045-150
Cert Date Jul-02-2015

Customer Information

Name COPPER & BRASS SALES
PO 5400259953
PO Date Apr-10-2015

Mechanical Property Requirements

Condition:		ANNEALED		H900	
Direction:		TRANSVERSE		TRANSVERSE	
Temperature:		ROOM TEMP		ROOM TEMP	
Spec:					
Test Limit	Units	Min	Max	Min	Max
ELONGATION	%	---	---	8.	---
RED OF AREA	%	---	---	30.	---
HARDNESS	---	---	352. HBW	40. HRC	47. HRC

Metallography - General

Ferrite <= 5% per periodic test requirement.

Certification Statements

ATI Flat Rolled Products does not use mercury in the testing or production of its products.

Material is of USA melt and manufacture.

No welds/weld repairs performed.

Knowingly and willfully recording any false, fictitious or fraudulent statement or entry on this document may be punished as a felony under Federal Statutes, including Federal Law, Title 18, Chapter 47.

Material is compliant with the European Union Directive 2011/65/EU - Restriction of Hazardous Substances (RoHS2).

EN 10204:2005 3.1 Certificate.

General Statements

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS

BN = ATI FLAT ROLLED PRODUCTS; 100 River Road; Brackenridge, PA 15014

TC = ATI FLAT ROLLED PRODUCTS; 1300 Pacific Avenue; Natrona Heights, PA 15065

WARNING: Processing that makes fumes, dust, or solutions may cause lung disease. Please see Safety Data Sheet for further information which has been supplied to your Purchasing Department. For an additional copy, please refer to our website at:
www.atimetals.com/business/ATIFlatRolledProducts/Tools/Pages/Safety-and-MSDS.aspx

For access to online Certifications of Test, please register at MyATI.ATIMetals.com

This Certified Material Test Report is a true representation of the data on file. The reported results conform to the sales contract and specification(s) as set forth in ATI Flat Rolled Products order acknowledgement. This Certificate of Test may not be reproduced except in full without the written authorization of the company.

ATI Flat Rolled Products website contains listing of material produced, general technical and contact information, and current quality and company accreditations including but not limited to ISO-9001, AS-9100, Nadcap, and ISO/IEC 17025. Please visit us at www.atimetals.com



ATI
Flat Rolled Products

500 Green Street
Washington, PA 15301

Certificate of Test

Stephen Wolff

Stephen Wolff - Director, Corporate Quality Assurance

Mill Information

Cert Number 0143479-00
Sales Order 50-045-150
Cert Date Jul-02-2015

Customer Information

Name COPPER & BRASS SALES
PO 5400259953
PO Date Apr-10-2015

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C, S by combustion/infrared; N, O, H by inert fusion/thermal conductivity;
Mn, P, Si, Cr, Ni, Mo, Cu, Cb, Co, V, by WDXRF; Pb, Bi, Ag by GFAA;
B by OES; Al and Ti (>=0.10%) by WDXRF, otherwise by OES.

844898 - Material was produced by BF melting with AOD refining.

CBC = Cb / C

CBT = Cb + Ta

Mechanical Testing

		LOT 447583		LOT 447583	
Condition:		ANNEALED		H900	
Direction:		TRANSVERSE		TRANSVERSE	
Temperature:		ROOM TEMP		ROOM TEMP	
Spec:					
Test Limit	Units	Result	Loc	Result	Loc
HARDNESS	--	345. HBW	TC	44. HRC	TC
YIELD 0.2%	psi	---	--	187000.	TC
TENSILE	psi	---	--	197000.	TC
ELONGATION	%	---	--	12.	TC
RED OF AREA	%	---	--	55.	TC

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Mechanical Property Requirements

Condition:		ANNEALED		H900	
Direction:		TRANSVERSE		TRANSVERSE	
Temperature:		ROOM TEMP		ROOM TEMP	
Spec:					
Test Limit	Units	Min	Max	Min	Max
YIELD 0.2%	psi	---	---	170000.	---
TENSILE	psi	---	---	190000.	---

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS CA LTD

CstAr


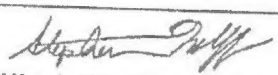
Wgt.: 37 LB

Del.: 2404148592

CstOr 270526

Date 10/15/2015

Tomas Sanchez

 ATI Flat Rolled Products 500 Green Street Washington, PA 15301	Certificate of Test		 Stephen Wolff - Director, Corporate Quality Assurance
	Mill Information Cert Number 0143479-00 Sales Order 50-045-150 Cert Date Jul-02-2015		Customer Information Name COPPER & BRASS SALES PO 5400259953 PO Date Apr-10-2015

Mechanical Property Requirements

Condition:		ANNEALED		H900	
Direction:		TRANSVERSE		TRANSVERSE	
Temperature:		ROOM TEMP		ROOM TEMP	
Spec:					
Test Limit	Units	Min	Max	Min	Max
ELONGATION	%	---	---	8.	---
RED OF AREA	%	---	---	30.	---
HARDNESS		---	352. HBW	40. HRC	47. HRC

Metallography - General

Ferrite <= 5% per periodic test requirement.

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TC = ATI FLAT ROLLED PRODUCTS; 1300 Pacific Avenue; Natrona Heights, PA 15065

WARNING: Processing that makes fumes, dust, or solutions may cause lung disease. Please see Safety Data Sheet for further information which has been supplied to your Purchasing Department. For an additional copy, please refer to our website at:
www.atimetals.com/business/ATIFlatRolledProducts/Tools/Pages/safety-and-MSDS.aspx

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From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS CA LTD

CstAr

Wgt.: 37 LB

Del.: 2404148592

CstOr 270526

Date 10/15/2015



THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 USI TESTED
.250" THICK X 6.0000" X 48.5000"
PART NO. USA STOCK 6-10 DAYS

PO/Ref 30089

/CHANTAL

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-959546-002

19Oct15

Signed by:

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum
Trentwood Works
Spokane, WA 99215-5108
(800) 367-2586

CUSTOMER PO NUMBER: 5400262369-150		WORK PACKAGE:		CUSTOMER PART NUMBER: ALFLR00963-48.5		PRODUCT DESCRIPTION: Sawed Plate	
KAISER ORDER NUMBER: 1195868	LINE ITEM: 15	SHIP DATE: 07/05/2015	ALLOY: 7075	CLAD: BARE	TEMPER: T651		
WEIGHT SHIPPED: 3236 LB	QUANTITY: 16 PCS EST.	B/L NUMBER: 2054782	GAGE: 0.2500 IN	WIDTH: 48.500 IN	LENGTH: 144.500 IN		
SHIP TO: COPPER & BRASS 1015 SAINT JEROME ST. MISHAWAKA, IN 46544 US			SOLD TO: COPPER & BRASS SALES ATTN: ACCOUNTS PAYABLE P.O. Box 5116 SOUTHFIELD, MI 48086 US				

MHC 1906515: LOT 13515786: 18 pieces

DAS

14

9-89

Certified Specifications

AMS 4045/RevK AMS-CQ-A-250/12/RevA ASTM B 209/Rev14 CMMP 025/RevU

Test Code: 1512

Test Results:

LOT: 13515786 CAST: 816 DROP: 31 INGOT: 1

Melted in USA
(ASTM B8/B557)
(EN 2002-1)

Tensile: Temper	Dir/# Tests	Ultimate KS1 (MFA)	Yield KS1 (MFA)	Elongation %
1651	LT / 02 (Min:Max)	83.9 : 84.3	73.3 : 73.8	12.0 : 12.1
		(578 : 581)	(505 : 509)	

(ASTM B1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ER	OTHER
Actual	0.07	0.17	1.5	0.06	2.4	0.19	5.5	0.03	0.01	0.01	TOT 0.05

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ER	OTHER
7075	MIN	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	MAX 0.05
	MAX	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	TOT 0.15

Aluminum Remainder

Plant Serial: 4381886

Kaiser Order Number: 1195868

Line Item: 15

Page 1 of 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS CA LTD

Del.: 2404147542

CstAr

CstOr 270526

Wgt.: 44 LB

Date 10/13/2015

Tomas Sanchez

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 US1 TESTED
.250" THICK X 6.0000" X 48.5000"
PART NO. USA STOCK 6-10 DAYS

PO/Rel 30089

/CHANTAL

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-959546-002

19Oct15

Signed by:

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Kaiser Aluminum
Trentwood Works
Spokane, WA 99215-5108
(800) 367-2586

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO-9001:2008/AS9100C certified and hereby certifies that all material shipped under this order: * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. * was melted in the United States of America or a qualifying country per NFPA 223.072 (a), was manufactured in the United States of America, and meets the requirements of NFPA 223.072 for domestic content. * has been thermally processed in compliance with AMS 2732, where applicable. * is mercury free, within the limits of detection of ASTM E1751 (copper). * is in compliance with RoHS 2, European Union Directive 2011/65/EU. * is in compliance with and regularly monitors any updates to the European Chemical Agency, REACH regulation, (EC) 1907/2006. * is free of Conflict Minerals, as defined in Section 1502 of the Dodd Frank Act. Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum Laboratory. The recurrence of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under Federal law.

JAMES HEMENWAY, LABORATORIES SUPERVISOR

James Hemenway

Plant Serial: 4381886

Kaiser Order Number: A195868

Line Item: 15

Page 2 of 2

From: ThyssenKrupp Materials NA

Cust. THYSSENKRUPP MATERIALS CA LTD

Del.: 2464147542

CstAr

CstOr 270526

Wgt.: 44 LB

Date 10/13/2015

Thomas Sanchez

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 USI TESTED
4.00" THICK X 3.0000" X 72.0000"
PART NO.

PO/Ref 30089

/CHANTAL

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-959546-003

19Oct15

Signed by:

Pg 1/2



Constellium



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

S
H
I
P
T
O


COPPER & BRASS SALES, INC.

5 STERLING DRIVE
WALLINGFORD CT
06492
US

S
O
L
D
T
O

COPPER & BRASS

PO BOX 5116
SOUTHFIELD MI
48086
US

COPPER&BR		110282103		4076		INCLUSION		Serial:20141125-0110282103		Pg 1of2	
CUSTOMER PURCHASE ORDER NO. & ITEM 5400233577						Constellium ORDER NO. A235474087					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 4.00000 in	WIDTH 50.50000 in	LENGTH 144.50000 in		CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER ALFLR01012			B/L NUMBER 32805		DATE SHIPPED 11/26/2014						
WT. SHIPPED 3705.300 LB		NO. OF PIECES 000001		GOVT. CONTRACT NO.							
ALL LOTS ON THIS CERTIFICATION CONFORM TO THE FOLLOWING REQUIREMENTS: BSS-7056 REV B 2013 100% SONIC Class A AMS-STD-2154A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE AMS 4045K ASTM B2C9-10 Load Details											
Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot					
1000033582	3,705.000	1,680.858	M261491	01							
Lot: M261491											
Tensile Test (US)											
		Ultimate (KSI)		Yield (KSI)		Elongation (%)					
Direction	Tests	Min	Max	Min	Max	Min	Max				
LT	02	71.6	73.1	68	60.2	12	12.5				
Tensile Test (SI)											
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)					
Direction	Tests	Min	Max	Min	Max	Min	Max				
LT	02	494	504	400	415	12	12.5				

From: P-999-1580-REVISED 19-2016 THYSSENKRUPP MATERIALS NA

Cust. THYSSENKRUPP MATERIALS CA LTD

Del.: 2404146447

CstAc

CstOr 270526

Wgt.: 91.542 LB

Date 10/12/2015



THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLATE 7075-T651 US TESTED
4.00" THICK X 3.0000" X 72.0000"
PART NO.

PO/Ref 30089

/CHANTAL

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-959546-003

19Oct15

Signed by:

Pg 2/2



Constellium



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

S
H
I
P
T
O


COPPER & BRASS SALES, INC.

5 STERLING DRIVE
WALLINGFORD CT
06492
US

S
O
L
D
T
O

COPPER & BRASS

PO BOX 6118
SOUTHFIELD MI
48086
US

COPPER&BR		110262103		4075		INCLUSION		Serial:20141125-0110262103		Pg 2of2	
CUSTOMER PURCHASE ORDER NO. & ITEM 6400233677						Constellium ORDER NO. A235474097					
ALLOY 7075	CLAD	TEMPER T651	GUAGE 4.0000 in	WIDTH 60.5000 in	LENGTH 144.6000 in	CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA  Steve Good - Laboratory Manager					
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER ALFLR01012		B/L NUMBER 32905		DATE SHIPPED 11/26/2014							
WT. SHIPPED 3705.000 LB		NO. OF PIECES 000001		GOVT. CONTRACT NO.							
Chemistry (Actual)											
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR		
Core	0.08	0.13	1.54	0.04	2.66	0.19	5.54	0.03	0.01		
OTHERS-EACH: .06 MAX. OTHERS TOTAL: .16 MAX. AL REMAINDER											
All material contained in this lot was cast and manufactured in the USA											
QUALITY TEXTS: ALFLR01012 <div style="text-align: right;"> DAS 14 9-89 15/10/28 </div>											
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. CHEMISTRY BY QES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B567 DUNS Number: 090570149; CAGE Code: 1YW19 Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"											

From P-889-1550 REVISED 10/2014

Cust. THYSSENKRUPP MATERIALS CA LTD

Del.: 2404146447

CstAr

CstOr 270526

Wgt.: 91.542 LB

Date 10/12/2015



SHIP TO:
AMI METALS
10606 COMMERCE WAY
FONTANA, CA 92337

SOLD TO:
AMI METALS
1738 GENERAL GEORGE PATTON DR
BRENTWOOD, TN 37027

**KAISER
ALUMINUM**
Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4374090

CUSTOMER PO NUMBER: CA-19875		WORK PACKAGE:		CUSTOMER PART NUMBER:		SHIP RUN/LOAD: 103194/1		GOVT CONTRACT NUMBER:	
KAISER ORDER NO: 1192443	LINE ITEM: 1	SHIP DATE: 3-MAY-2015	ALLOY: 7075	CLAD: BARE	TEMPER: T851	PRODUCT DESCRIPTION: Sawed Plate			
WEIGHT SHIPPED: 4892 LB	QUANTITY: 18 PCS EST.	TRUCK BL #: 2055694	GAUGE: 0.3750 IN (9.5250 MM)		DIAMETER/THICK: 48.500 IN (1231.9 MM)	LENGTH: 144.500 IN (3670.3 MM)			

MHU 1889928: LOT 13190486: 18 pieces;

Certified Specifications

AMS 4045/RevK
CMMP 026/RevU

AMS-QQ-A-250/12/RevA

ASTM B 209/Rev 4

Test Code: 1512

Test Results

Lot: 13190486 Cast 772 Drop 22 Ingot 2

Melting in USA

(ASTM B8/B657)
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation
	T851	LT / 2 (Min:Max)	83.5 : 84.5 (578 : 589)	73.4 : 74.0 (506 : 510)	19.4 : 13.8

(ASTM E1261)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.09	0.16	1.4	0.07	2.5	0.20	5.6	0.02	0.01	0.01	TOT 0.05

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.20	5.1	0.20	0.05	0.05	TOT	0.16

Aluminum Remainder

ThyssenKrupp Materials NA, Inc.
Copper and Brass Sales Division Sold To:

Customer: _____
PO: _____
CBS Order: _____
Quantity: _____
Date: _____
By: _____

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4374090



CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC (Kaiser), is ISO 9001:2008/AS9100C certified and hereby certifies that all material shipped under this order has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein. For material produced outside the United States, mechanical properties are as shown herein and chemical composition meets applicable requirements.

* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for Porosity Control.

* has been directly processed in conformance with AMS 2772, where applicable.

* is mercury free, within the limits of detection of ASTM E1261 (4 x 10⁻⁶ ppm).

* is in compliance with RoHS 2, European Union Directive 2011/65/EU.

* is in compliance with and regularly monitors any updates in the European Chemical Agency, EC-4A, REACH regulations, IECI 6P160712B05.

* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports may be reproduced except in full, without the written approval of the Kaiser Aluminum Laboratory. The recording of false, fictitious or fraudulent statements or omissions on this certificate may be punished as a felony under federal law.

JAMES HEMENWAY, LABORATORIES SUPERVISOR

SHIP TO:
AMI METALS
10008 COMMERCE WAY
FONTANA, CA 92337

SOLO TO:
AMI METALS
1738 GENERAL GEORGE PATTON DR.
BRENTWOOD, TN 37027

**KAISER
ALUMINUM**
Trentwood Works - Spokane, WA 99016
Phone: (800) 387-2588

CERTIFIED TEST REPORT

Serial Number:
4378584

CUSTOMER PO NUMBER: CA-20210		WORK PACKAGE:		CUSTOMER PART NUMBER:		SHIP UNLOAD:		GOVT CONTRACT NUMBER:	
KAISER ORDER NO: 1194005		LINE ITEM: 1	SHIP DATE: 7-JUN-2015	ALLOY: 7075	CLASS: BARE	TEMPER: T851	PRODUCT DESCRIPTION: Sawed Pipe		
WEIGHT SHIPPED: 1650 LB	QUANTITY: 6 PCS EST.	TRUCK QTY #: 2054326	GAUGE: 0.3750 IN (9.525 MM)		DIAMETER AND THK: 48.500 IN (1231.5 MM)		LENGTH: 144.500 IN (3670.34 MM)		

MHU 1900894 LOT 13611887: 6 Pieces

Certified Specifications

AMS 4049/Rev K
QMPP 025/Rev U

AMS 4049/Rev K

ASTM B 209/Rev 10

Test Code: 1512

Test Results

Lot: 13611887

Cast: 011

Drop: 04

Height: 4

Made in USA

(ASTM B 8/8557)
(EN 2002-1)

Tensile:	Temp:	Dil: # Tests	Ultimate KSI (MPa)	Yield KSI (MPa)	Elongation %
T851		LT / 2 (Min/Max)	84.2 : 84.8 (581 : 585)	74.4 : 75.4 (513 : 520)	12.7 : 13.9



(ASTM E 1251)

Chemistry:	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	V	Zr	OTHER
Actual (wt%)	0.08	0.18	1.5	0.05	2.4	0.20	5.5	0.05	0.01	0.01	TOT: 0.08

ALLOY LIMITS

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	V	Zr	OTHER	MAX
7075												
MIN (wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	ACI: 0.05	0.05
MAX (wt%)	0.40	0.50	2.0	0.30	2.8	0.28	6.1	0.20	0.05	0.05	TOT: 0.15	0.15

Aluminum Remaining

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99216
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4378584



CERTIFICATION

Kaiser Aluminum Fabricator Products, LLC is pleased to certify that all material shipped under this report has been inspected, tested, and found to be in compliance with the requirements of the specification indicated herein. For material inspection and testing, see the following information:
* all material here and elsewhere complies with the specification indicated herein.
* was tested in the United States of America or a qualifying country per ASTM 2792-1991, was manufactured in the United States of America, and meets the requirements of ASTM 2792-1991.
* has been thoroughly inspected in accordance with ASTM 2792, which requires:
* to comply with, with the latest revision of ASTM 2792-1991.
* to comply with Part 2, Surfaces Subject to the following:
* all compliance with and quality inspection and reports to the European Chemical Agency, ECHA, REACH regulation, (EC) 1907/2006.
* value of 0.01% (max), as determined by the U.S. of the United States.
Any material is tested to this standard as per Kaiser Aluminum's standard terms and conditions of sale. Just reports are on file subject to customer's request. Test results shall not be reproduced, in part or in whole, without the written approval of the Kaiser Aluminum Laboratory. The reporting of false, fictitious or fraudulent statements or omissions by the seller shall be punishable by law under applicable law.

James Hemenway

JAMES HEMENWAY, LABORATORIES SUPERVISOR

Page 2 of 2

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 7075T6
DATE 15/10/21

PO / BATCH NO 30089/133426

QUALITY CHECKED yes
QUANTITY RECEIVED 24'
QUANTITY INSPECTED 24'
QUANTITY REJECTED _____

THICKNESS ORDERED 6.00 X .250
THICKNESS RECEIVED 6.00 X .248
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y,N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>DAS</u>	<u>14</u>	SIGNED OFF BY _____	
DATE <u>15/10/21</u>	<u>8-69</u>	DATE _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 7075 T6
DATE 15/10/28

PO / BATCH NO 30089/133426

MATERIAL CERT RECD YES
QUANTITY RECEIVED 6
QUANTITY INSPECTED 6
QUANTITY REJECTED _____

THICKNESS ORDERED 3.00X4.00
THICKNESS RECEIVED 3.00X4.00
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORROSION	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input type="radio"/> N <input checked="" type="radio"/>	USE AS IS
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY <u>DAS</u> <u>14</u> DATE <u>15/10/28</u>	SIGNED OFF BY _____ DATE _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 17-4
DATE 15/10/28

PO / BATCH NO 30089/133426

MATERIAL CERT RECD yes
QUANTITY RECEIVED 10'
QUANTITY INSPECTED 10'
QUANTITY REJECTED _____

THICKNESS ORDERED .250x4.00
THICKNESS RECEIVED .250x4.00
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

DESCRIPTION	NCR (Check Y, N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY	DAS <u>14</u> <u>9-89</u>	SIGNED OFF BY	
DATE	<u>15/10/28</u>	DATE	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PC30089**

Purchase Order Date 10/9/2015

PO Print Date 10/9/2015

Page Number 1 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone

Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
----------	---	------------------------	--------------------------------------	----	--------------------------------	---------------	-------------------

1	M303R0.625	303 Round Bar 0.625"	10/16/2015 Yes 10/16/2015		12.00 f	\$3.00	\$36.00
---	------------	----------------------	---------------------------------	--	------------	--------	---------

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$36.00

2	M303R0.750	303 Round Bar 0.750	10/16/2015 Yes 10/16/2015		60.00 f	\$3.55	\$213.00
---	------------	---------------------	---------------------------------	--	------------	--------	----------

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$213.00

Note:

10/9/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PC30089**

Purchase Order Date 10/9/2015

PO Print Date 10/9/2015

Page Number 2 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

3	M304R.250	304 SS Round bar .250	10/16/2015	12.00	\$2.92	\$35.00
			Yes	f		
			10/16/2015			

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: \$35.00

4	M304R0.375	304 ROUND BAR 0.375	10/16/2015	12.00	\$2.92	\$35.00
			Yes	15/10/14		
			10/16/2015	sf		

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: \$35.00

5	M5052H32S.040	5052-H32 .040 Sheet	10/16/2015	40.00	\$1.59	\$63.50
			Yes	sf		
			10/16/2015			

MATERIAL: 5052-H32 ALUMINUM SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209

Line Total: \$63.50

Note:

10/9/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO00089

Purchase Order Date 10/9/2015

PO Print Date 10/9/2015

Page Number 3 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

6	M5052H32S.063	5052-H32 .063 Sheet	10/16/2015	32.00	30	\$2.18	\$69.60
			Yes	sf			

MATERIAL: 5052-H32 ALUMINUM SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209

Line Total: \$69.60

7	M6061T6B00750X00.125	6061-T6 Bar .750 x .125	10/16/2015	60.00	f	\$0.58	\$35.00
			Yes				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$35.00

8	M6061T6R0.500	6061-T6 Round Bar .500"	10/16/2015	24.00	f	\$1.46	\$35.00
			Yes				

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Note:

10/9/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30089**

Purchase Order Date 10/9/2015

PO Print Date 10/9/2015

Page Number 4 of 6

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275, POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Total:

\$35.00

9 M7075T6B5.000X0.375 7075-T6 BAR 5.000" X 10/21/2015 12.04 ✓
0.375"

Yes

f

10/21/2015

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total:

\$266.00

10 M7075T6B6.000X0.250 7075-T6 BAR 6.000" X 10/21/2015 24.08 ✓
0.250"

Yes

f

10/21/2015

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total:

\$390.00

Note:

10/9/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PC30089**

Purchase Order Date 10/1/2015

PO Print Date 10/1/2015

Page Number 5 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

11 M7075T6B3.000x04.000 7075-T6 BAR 3.000' X 10/21/2015 6.00 ✓
4.000" Grain along 3" Yes
10/21/2015 f

MATERIAL: 7075-T6 OR T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS 4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11 OR QQ-A-250/12 CUT FROM PLATE

Line Total:

\$609.00

12 M174B0.250X4.000 17-4 SS Bar .250 X 4.00 10/21/2015 10.00 ✓
Yes
10/21/2015 f

MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

Line Total:

\$382.00

Note:

10/9/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30089**

Purchase Order Date 10/9/2015

PO Print Date 10/9/2015

Page Number 6 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

13	71401-45	PROCUREMENT QUALITY CLAUSES	10/16/2015	1.00	\$0.00	\$0.00
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No

10/16/2015

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

881510-21

Line Total:

\$0.00

PO Total:

\$2,169.10

CL

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 10/9/2015